

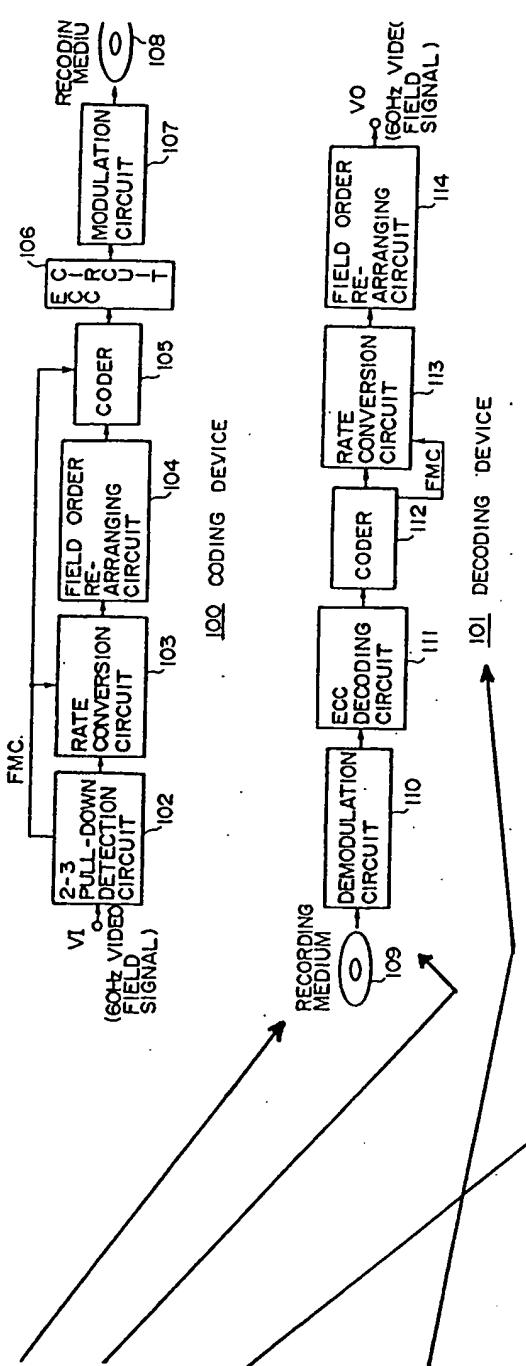
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60. A system of viewing video information stored on a removable high capacity storage medium, the system comprising:

an input device configured to read the video information from the high capacity storage medium, the video information stored on the high capacity storage medium having a digital audio component and a digital video component, the digital video component having an intermediate format having a frame rate of substantially 24 frames per second (fps).

the digital video component having been formed by converting input video information having an input format with no added redundant frames or fields;

a graphics processor in data communication with the input device and configured to convert the digital video component in its intermediate format to output video information in an output format, the output format having a frame rate that is greater than or equal to the frame rate of the intermediate format, the graphics processor further encoding capable of being in data communication with a display device for viewing the output video information in the output format.



The field order re-arrangement circuit 104 converts the signal from the rate conversion circuit 103 into a progressive (non-interlaced) picture signal having a frame-rate of 24 Hz. The encoder 105 then compresses and codes the picture signal, and feeds the result to the ECC circuit 106, which adds error correction codes. The modulation circuit 107 modulates the signal from the ECC circuit for recording on the recording medium 108.

The decoding apparatus 101 receives the signal reproduced from the recording medium 109. The recording medium 109 is the same as, or is derived from, the recording medium 108 on which the signal generated by the coding apparatus 100 is recorded. The reproduced signal is demodulated by the demodulation circuit 110, and fed to the ECC decoding circuit 111, where error detection and correction is applied. The decoder 112 decodes the signal from the ECC decoding circuit into pictures with a frame rate of 24 Hz. The rate conversion circuit 113 converts the picture signal with a frame rate of 24 Hz into a video signal with a field rate of 60 Hz. The field order rearrangement circuit 114 returns the field order of the video signal with a 60 Hz field rate from the decoder 112 to that of the coder input signal VI, and provides the decoder apparatus output signal VO with a field rate of 60 Hz.

* not a structural limitation